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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=3; day=14; hr=16; min=39; sec=12; ms=131; ]

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Reviewer Comments:

<120>

Novel interaction between proteins, and therapeutic agent for disuse muscular atrophy or method associated with disuse muscular atrophy taking advantage of novel interaction

Please move the first line of the invention title to the <120> line. The lines exceed the Sequence Rules' required 72-character line limit (this includes white spaces). Please adjust the lines.

<210> 1

<211> 213

<212> PRT

<213> Homo sapiens

<220>

<223> ZNF216 (Zub 1)

<400> 1

Met Ala Gln Glu Thr Asn Gln Thr Pro Gly Pro Met Leu Cys Ser

1 5 10 15

Thr Gly Cys Gly Phe Tyr Gly Asn Pro Arg Thr Asn Gly Met Cys

20 25 30

Ser Val Cys Tyr Lys Glu His Leu Gln Arg Gln Gln Asn Ser Gly

35 40 45

Arg Met Ser Pro Met Gly Thr Ala Ser Gly Ser Asn Ser Pro Thr

50 55 60

Ser Asp Ser Ala Ser Val Gln Arg Ala Asp Thr Ser Leu Asn Asn

65 70 75

Cys Glu Gly Ala Ala Gly Ser Thr Ser Glu Lys Ser Arg Asn Val

80 85 90

Pro Val Ala Ala Leu Pro Val Thr Gln Gln Met Thr Glu Met Ser

95	100	105
Ile Ser Arg Glu Asp Lys Ile Thr Thr Pro Lys Thr Glu Val Ser		
110	115	120
Glu Pro Val Val Thr Gln Pro Ser Pro Ser Val Ser Gln Pro Ser		
125	130	135
Thr Ser Gln Ser Glu Glu Lys Ala Pro Glu Leu Pro Lys Pro Lys		
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Lys Asn Arg Cys Phe Met Cys Arg Lys Lys Val Gly Leu Thr Gly		
155	160	165
Phe Asp Cys Arg Cys Gly Asn Leu Phe Cys Gly Leu His Arg Tyr		
170	175	180
Ser Asp Lys His Asn Cys Pro Tyr Asp Tyr Lys Ala Glu Ala Ala		
185	190	195
Ala Lys Ile Arg Lys Glu Asn Pro Val Val Val Ala Glu Lys Ile		
200	205	210
Gln Arg Ile		
213		

Please removed the above "213": the amino acids are numbered under every 5 amino acids. Same error in Sequence 2.

```

<210> 5
<211> 70
<212> RNA
<213> Homo sapiens
<220>
<223> siRNA of AWP1
<400> 5
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ccattttttt ggaagtgcac    70

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t's are not permitted in a <212> RNA sequence. For a combined DNA/RNA sequence, use <212> DNA and explain in the <220>-<223> section that it is a combined DNA/RNA sequence.

\*\*\*\*\*

Application No: 10581969 Version No: 1.0

**Input Set:**

**Output Set:**

**Started:** 2008-02-27 16:16:41.653  
**Finished:** 2008-02-27 16:16:44.927  
**Elapsed:** 0 hr(s) 0 min(s) 3 sec(s) 274 ms  
**Total Warnings:** 0  
**Total Errors:** 24  
**No. of SeqIDs Defined:** 5  
**Actual SeqID Count:** 5

Error code	Error Description
E 201	Mandatory field data missing in <120>
E 323	Invalid/missing amino acid numbering SEQID (1) at Protein (213)
E 323	Invalid/missing amino acid numbering SEQID (2) at Protein (208)
E 256	't' found in RNA; POS (4) SEQID(5)
E 256	't' found in RNA; POS (9) SEQID(5)
E 256	't' found in RNA; POS (14) SEQID(5)
E 256	't' found in RNA; POS (16) SEQID(5)
E 256	't' found in RNA; POS (18) SEQID(5)
E 256	't' found in RNA; POS (19) SEQID(5)
E 256	't' found in RNA; POS (23) SEQID(5)
E 256	't' found in RNA; POS (25) SEQID(5)
E 256	't' found in RNA; POS (27) SEQID(5)
E 256	't' found in RNA; POS (28) SEQID(5)
E 256	't' found in RNA; POS (38) SEQID(5)
E 256	't' found in RNA; POS (41) SEQID(5)
E 256	't' found in RNA; POS (49) SEQID(5)
E 256	't' found in RNA; POS (54) SEQID(5)
E 256	't' found in RNA; POS (55) SEQID(5)
E 256	't' found in RNA; POS (56) SEQID(5)
E 256	't' found in RNA; POS (57) SEQID(5)

**Input Set:**

**Output Set:**

**Started:** 2008-02-27 16:16:41.653  
**Finished:** 2008-02-27 16:16:44.927  
**Elapsed:** 0 hr(s) 0 min(s) 3 sec(s) 274 ms  
**Total Warnings:** 0  
**Total Errors:** 24  
**No. of SeqIDs Defined:** 5  
**Actual SeqID Count:** 5

Error code	Error Description
E 256	't' found in RNA; POS (58) SEQID(5)
E 256	't' found in RNA; POS (59) SEQID(5)
E 256	't' found in RNA; POS (60) SEQID(5) This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Natsume, Tohru

Watanabe, Ken

<120>

Novel interaction between proteins, and therapeutic agent for disuse muscular atrophy or method associated with disuse muscular atrophy taking advantage of novel interaction

<130> 039371-17

<140> 10581969

<141> 2008-02-27

<160> 5

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<211> 213

<212> PRT

<213> Homo sapiens

<220>

<223> ZNF216(Zub 1)

<400> 1

Met Ala Gln Glu Thr Asn Gln Thr Pro Gly Pro Met Leu Cys Ser

1 5 10 15

Thr Gly Cys Gly Phe Tyr Gly Asn Pro Arg Thr Asn Gly Met Cys  
20 25 30

Ser Val Cys Tyr Lys Glu His Leu Gln Arg Gln Gln Asn Ser Gly  
35 40 45

Arg Met Ser Pro Met Gly Thr Ala Ser Gly Ser Asn Ser Pro Thr  
50 55 60

Ser Asp Ser Ala Ser Val Gln Arg Ala Asp Thr Ser Leu Asn Asn  
65 70 75

Cys Glu Gly Ala Ala Gly Ser Thr Ser Glu Lys Ser Arg Asn Val  
80 85 90

Pro Val Ala Ala Leu Pro Val Thr Gln Gln Met Thr Glu Met Ser  
95 100 105

Ile Ser Arg Glu Asp Lys Ile Thr Thr Pro Lys Thr Glu Val Ser  
110 115 120

Glu Pro Val Val Thr Gln Pro Ser Pro Ser Val Ser Gln Pro Ser  
125 130 135

Thr Ser Gln Ser Glu Glu Lys Ala Pro Glu Leu Pro Lys Pro Lys  
140 145 150

Lys Asn Arg Cys Phe Met Cys Arg Lys Lys Val Gly Leu Thr Gly  
155 160 165

Phe Asp Cys Arg Cys Gly Asn Leu Phe Cys Gly Leu His Arg Tyr  
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Ala Lys Ile Arg Lys Glu Asn Pro Val Val Val Ala Glu Lys Ile  
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Gln Arg Ile

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<223> AWP1(Zub 2)

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Ser	Leu	Pro	Val	Gln	Cys	Thr	Asp	Gly	Ser	Val	Pro	Glu	Ala	Gln
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Gln	Ala	Ser	Val	Ser	Asp	Thr	Ala	Gln	Gln	Pro	Ser	Glu	Glu	Gln
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				140				145				150		
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				155				160				165		
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Cys	Ser	Tyr	Asn	Tyr	Lys	Ala	Asp	Ala	Ala	Glu	Lys	Ile	Arg	Lys
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aaaaacagat	gtttcatgtg	c当地aaagaaa	gttgggtctta	c当地gggttga	500
ctgccc当地atgt	ggaaaatttgc	t当地gtggact	tcaccgttac	tctgacaagc	550
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